

SYNTHETIC COMBUSTIBLE GAS GENERATION APPARATUS AND METHOD

ABSTRACT

A method of obtaining a supply of a synthetic combustible gas having enhanced
5 combustion properties by providing a fluid containing a carbonaceous material, creating an
electric arc between spaced electrodes under the fluid to generate a combustible gas, and
collecting the gas to obtain the supply of the combustible gas. An apparatus for obtaining a
supply of a combustible gas having enhanced combustion properties includes a fluid
containing a carbonaceous material, a vessel for retaining the fluid, spaced electrodes
10 positioned in the vessel below the fluid, means for creating an electric arc between the
spaced electrodes to generate a combustible gas, and means for collecting the gas for
obtaining the supply of the gas.